COPPER MINING

was produced, mainly from three important districts—Bingham, Tintic and Frisco. This output was less by 3,670,881 pounds than that of 1905, which amounted to 54,000,000 pounds. The mine production for the year exceeded the smelter production by over 6,000,000 pounds of blister copper for the reason that a great amount of material received from the mines was not worked up during the year, and at the end of the year there were stored at the smelters ores and concentrates containing more than 8,000,000 motors of ten-horsepower each have been installed, while the third will have fifteen horsepower. The compressor is 300-horsepower. pounds of copper. The chief cause of the decrease in smelter production was the failure of the new Garfield smelter to handle as much material during the year as had been expected.

Bingham District.

and storage of ore at reduction works.

The smelters south of Salt Lake City one of have long been the subject of heavy vads. claims for alleged injury to agriculture, and as a result much money has been spent by operating companies in the effort to reduce the amount of sulphur in their smoke. The local market for sulphuric acid is, however, extremely small, and as the smelters are not within profitable reach of markets to the east and south they have found it cheaper to pay the damage claims than to make sulthe damage claims than to make sulphuric acid for practically nothing. A decision given by the federal court late in the year enjoined four smelting plants near Murray and Bingham Junction from RESUMES OPERATIO near Murray and Bingham Junction from operating on an ore or combination of ores containing any arsenic or more than 10 per cent of sulphur. This decision, if sustained, may force the companies to move elsewhere; but the threatened removal of the smelters has aroused property owners and business men in the vicinity, and, as in California, the dependence of the communities on the smelters has been realized.

There is no smelter in the immediate vicinity of the Tintic camp, although it was reported near the close of 1906 that one was to be erected there in the near future. The old mills of the district, which depended largely on amalgamation, have been abandoned because of their new mills make a concentrate for shipment, but the greater part of the ore ent, but the greater part of the ore shipped direct to the smelters.

Frisco District.

The Frisco district, in Beaver county, made a decided gain in its copper output for 1906, but a considerable portion of the production did not reach the form of blister copper during the year. The bulk of the output was derived from the Cactus mine. Figures given in the published reports of the company show that the Cactus mine yields a lower percentage of copper than any other large price.

It is currently rumored on the street that forty-five men will be put to work in a day or two on the big tunnel which is to convey the waters of Duck creek, and the product in some places. The ore is concentrated about 10 into 1. and the product is shipped to Salt Lake smelters. The mill was enlarged in 1906 from contons to 900 tons daily capacity.

Other Districts.

The Little Cottonwood district, in Salt Lake county; the Park City mines; the Ophir district, in Tooele county, and the Tutsagubet district, in Washington county, were the principal contributors to the state's copper production outside of the three principal districts. In all but the last named of these smaller districts the copper is recovered incidentally to the production of other metals. In the Tutsagubet district, however, a small smelter was operated during the year and the black copper which it turned out was shipped east for refining. Small quantities of copper were produced in numerous other districts of the state. An important deposit at Copper Mountain, in Box Elder county, was re-



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pened in 1906 and began shipments A report on copper production in 1906, prepared by L. C. Gratom, geologist of the United States geological survey, and published by the survey as an advance chapter from "Mineral Resources of the United States, Calendar Year 1906," contains statistics in regard to the copper output of Utah and the other states and territories. This chapter is now ready for

Covernment Data for Year Mentioned Makes Present Year's Showing Shine.

RANK OF DISTRICTS GIVEN

That the great Bluestone property will soon be the sene of the most activations that the great becopper to the amount of 30,28,18) pounds the sene of the month of the first proper to the amount of 30,28,18) pounds was produced mainly from three important districts—Bingham, Tintic and Frizco, This output was less by 3,50,88, pounds than that of 1966, which amounted to 54,600,000 pounds. The mine production by over 6,000,000 pounds of blues to output was less by 2,500,881. The secretary production by over 6,000,000 pounds of blues to output was less by 2,500,881. The secretary production by over 6,000,000 pounds of blues to output the production of the year exceeded the semicitary production by over 6,000,000 pounds of blues to output was less by 100 to 100 the semicitary production by over 6,000,000 pounds of blues to output the production of the year exceeded the semicitary production by over 6,000,000 pounds of blues to the production of the year exceeded the semicitary production by over 6,000,000 pounds of blues to the production of the program of the production of the

horsepower. The complete the horsepower.

While the work of electrically equipping the plant progresses, workmen are employed building a third furnace for the process which is to treat the Bluetters product.

Bingham District.

The Bingham district, in Salt Lake county, is sixth in importance in the district in 1966 fell somewhat below that of 1905, which was 39,000,000 pounds, the decrease being caused by lack of fuel and storage of ore at reduction works.

The smelters south of Salt Lake City one of the most modern in western Ne-

RESUMES OPERATIONS

Superintendent George Pugsley, accompanied by Engineer J. J. Broecher of Battle Mountain, Nev., and others, have sustained, may force the companies to move elsewhere; but the threatened removal of the smelters has aroused property owners and business men in the vicinity, and, as in California, the dependence of the communities on the smelters has been realized.

Tintic District.

The Tintic district, at Eureka, Juan to the state and the tenth in the country. The state and the tenth in the country. The camp is essentially a precious metal camp, with copper and lead as accompanying metals of importance, but in varying quantities. The copper production of the district in 1996 was derived in large part from the Centennial-Eureka, Eureka Hill and Mammoth companies but mearly every producing mine in the country of the district. The average yield of all the ores of the Tintic district is about 2 per cent of copper, but certain ores yield much more.

There is no smelter in the immediate.

Mr. Overson writes that he anticipates striking shipping ore there at a depth of fifty feet. The company is looking for a big thing in this new property. Judge Smith, Messrs. Clive, Farr. Barlow, Kelley, Cowan, Overson and others are heavily interested in these properties.

THROUGH DUCK CREEK

line, and provide the smelter people with a more abundant power and water sup-

Bingham Mining Notes.

(Bingham Bulletin.) The improvements at the Frisco are about completed and operations will be esumed the first of the year. resumed the first of the year.

The New England mine is holding its own, and the first of the year expects to increase its output of ore.

Mike Murphy, who has been working at the M. P. Kirk lease, will operate a lease for the Highland Boy properties.

Dan McDonald, formerly of Kemmerer, Wyo., is now working for the Boston Con. as head blacksmith at workings

The Phoenix is installing new machin-ery in its 200-ton mill, which has just been completed. The usual number of

Sherman Wilcox is again doing devel-opment work for Colonel Wall on his several prospects on top of the divide above the United States and Galena

The Highland Boy will not reinstate the men recently laid off until after the first of the year, when it is expected that the railroad will be better able to take care of the ore.

The Utah Copper mill at Copperton is closed on account of one of the main feed electric wires from Garfield being out of commission. A new wire will be installed and the mill will start up again about the first of the year.

The Boston Con. has reduced its force on account of shortage of cars. The men will return to work when the spur in Carr's Fork is ready for use. The track is laid for the latter, but the roadbed is not thoroughly settled or completed. The Yampa smelter reduced its force on account of shortage of ore, which is due to the inability of the railroad company to furnish enough cars. No additional men will be put on until after the tramway is completed, in about two

Messrs. Whitton and Bernum, joint owners with M. P. Kirk of the Kirk lease, have abandoned their interests temporarily to enjoy Christmas and New Year at their respective homes—Kirk at Philadelphia, Whitton at San Francisco and Bernum at Salt Lake.

J. OBERNDORFER,

OPERATIONS AT THE

WHEELER GOLD MINES Since Fred Flindt assumed the manage-ment of the Wheeler Gold Mines com-pany's property, development progresses with more vim than has heretofore char-

t will be allowed to run during the night

Mr. Flindt states that he intends to thoroughly prospect a large surface vein that cuts through the property and one which has been passed up all this time. Several assays taken at various distances on the ore body prove it to be one well worthy of considerable attention.

ANOTHER GOLD STRIKE NEAR GOLCONDA, NEV.

Near the town of Golconda, Nev., where there is considerable mining activity going on, some new and important strikes of gold are have been made during the past few weeks. On the low hills near the railroad track, only 100 yards from the town, a ledge carrying free gold is being developed that gives promise of being as rich as the famous Kramer claim on Lone Mountain.

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Mountain.

The property where this last strike was made is owned by Joe Fayant, H. Koster H. C. Rich and J. Minaker. The vein is in a quartzite formation, with a porphyry foot wall. The ore pans well in gold and some of the samples shown have colors foot wall. The ore pans well in gold and some of the samples shown have colors of the yellow metal as big as grains of wheat. It is the intention of the owners to sink a shaft to the fifty-foot level before drifting is begun. The one is very similar to that being extracted from the Hramer property and many believe that the new discovery is a continuation of that rich ledge.

ROUND MOUNTAIN.

of ground—simply the surface rights.
Such is the nature of the hill side into which General Superintendent John Stimmel has cut an incline to a depth of nearly 100 feet. At this point he has begun to cross-cut along the ledge which has now been followed a distance of about twenty-five feet. Small gold assays have been five feet. Small gold assays have been obtainable throughout the entire length of the incline and are still obtainable in the cross-cut, but as yet there are no indications of any increase in values.

The ledge system is believed to be identical with that of the Sunnyside and it will be the cross-cut, properties of the present.

Varian Succeeded Edwards.

To the Salt Lake Herald:
In the New Year's edition of The Herald under the heading "Hiram Tyree," it was stated that H. C. Edwards was vice president of the Reliance Mining & Milling company. I wish to correct this by saying that Mr. Edwards resigned as director and vice president on July 15, 1907, and since that time he has not participated in the management of the affairs of the company. Mr. Edwards was succeeded in the office from which he resigned by C. S. Varian of this city. fairs of the companies succeeded in the office from which succeeded by C. S. Varian of this city.

HIRAM TYREE.

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